A. MAXIMUM RATING:

1. Operating Temperature: -40°C ~ +85°C
2. Storage Temperature: -40°C ~ +85°C

B. CHARACTERISTICS:

Ambient Temperature: 25°C

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Value</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min.</td>
<td>Typ.</td>
</tr>
<tr>
<td>Center frequency Fc MHz</td>
<td>-</td>
<td>280</td>
</tr>
<tr>
<td>Minimum Insertion loss IL dB</td>
<td>-</td>
<td>8.8</td>
</tr>
<tr>
<td>1.0dB Bandwidth MHz</td>
<td>15.0</td>
<td>19.8</td>
</tr>
<tr>
<td>40dB Bandwidth</td>
<td>-</td>
<td>29.5</td>
</tr>
<tr>
<td>Amplitude Ripple (Fc ± 7.5MHz) dB</td>
<td>-</td>
<td>0.4</td>
</tr>
<tr>
<td>Amplitude Ripple (Fc ± 7.5MHz ~ Fc ± 8.5MHz) dB</td>
<td>-</td>
<td>0.7</td>
</tr>
<tr>
<td>Group-delay Ripple (Fc ± 7.5MHz) nsec</td>
<td>-</td>
<td>24</td>
</tr>
<tr>
<td>Attenuation (Reference level from Minimum insertion loss)</td>
<td>-</td>
<td>10</td>
</tr>
</tbody>
</table>
C. FREQUENCY CHARACTERISTICS:

1. S21 Response (span 200MHz)

![Graph showing S21 Response](image)

2. Passband of Response (span: 30MHz)

![Graph showing Passband Response](image)
3. S11 Smith Chart (span 200MHz)

![S11 Smith Chart](image)

4. S22 Smith Chart (span 200MHz)

![S22 Smith Chart](image)
D. TEST CIRCUIT:

\[ Z_{IN} \text{ and } Z_{OUT} \text{ are } 50\Omega, \ L1 = 47nH, \ C1 = 10p, \ L2 = 8.2nH \]

E. OUTLINE DRAWING:

- C: RF input
- G: RF output
- H, D: Case Ground
- A, B, E, F: Ground

Unit: mm
F. PACKING:

1. REEL DIMENSION

2. TAPE DIMENSION

Direction of feed
G. RECOMMENDED REFLOW PROFILE: